AITKIN COUNTY

CERTIFICATE OF INSTALLATION/~~NOTICE OF NONCOMPLIANCE~~

This certificate of installation/~~notice of noncompliance~~ has been issued this 23rd day of August, 2022 to certify compliance\~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.
The premises covered by this certificate are legally described as:
LOT 6 BLK 1 FLEMING HEIGHTS

Section 21 Township 48 Range 25 Lake Fleming
PERMIT NO. 45649 Owner Name Joseph & Joanne Gibbs
Address 52450 310th Pl Aitkin, Mn 56431
Installer Name Ritter Sewer & Excavating
Type of System Inspected 2 Bdrm Type I Mound
Parcel Number 08-1-088000

The certificate of installation/~~notice of noncompliance~~ was based on No 1 of the following:

1) Inspection of the installation or construction as in accordance with the above referenced permit and application design.

2) Review of as-built plans submitted in accordance with Subdivision 9.2 D of Aitkin County's Subsurface Sewage Treatment System Ordinance.

If the above permitted subsurface sewage treatment system is in noncompliance with Aitkin County's Subsurface Sewage Treatment System Ordinance, then the following shall serve as a Notice of Violation:

1) Statement of the findings of fact through inspections or investigations:

2) List of specific violations of Ordinance:

3) Requirements for correction or removal of violations:

4) Time schedule for compliance:

Failure to correct or remove the above violation(s) will result in this matter being turned over to the Aitkin County Attorney's Office for further legal action, which may result in revocation of licenses, fines and/or imprisonment.

INSPECTOR SIGNATURE K. Dumock

SUBSURFACE SEWAGE TREATMENT SYSTEM INSPECTION FORM
AITKIN COUNTY, MINNESOTA

Township Fleming Date of Inspection 8-3-22 Tank/Final 7-30-21 mound only App. Number 2021-007218

Owner Joseph & Joanne Gibbs Parcel Number 08.1-088000

Project Address 42451 310th Pl Installer Ritter Sewer

City Aitkin Zip Code 56431

New [X] Repair [ ]

SETBACKS:

Buildings to tank(s) 62'

Buildings to drainfield ~120'

Well(s) 50' or 100' ~130'

Lake/Creek/Wetland >100'

SEPTIC TANKS: New X Existing ____

Number of tanks installed 1 Jacobson 1650

Liquid capacity and type 1120 precast

Type of baffle Plastic

Inspection pipes —

Manholes size 2@24" 1@20"

Manhole to grade, Yes X No ____

PUMPS: New X Existing ____

Tank capacity and type 530 Precast

Pump manufacturer & model # Goulds PE4J

Horsepower & GPM 4hp 18gpm

Feet of head 21'

Gallons per cycle 45

Size of discharge line 2"

Type & location of alarm Elec @ Tank

Water meter ____

DIST. or DROP BOX & TYPE ____

TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:

Trench/Bed depth ____

Trench/Bed length ____

Trench/Bed bottom width ____

Trench spacing ____

Drainfield rock below pipe ____

Size of gravelless pipe ____

Depth of backfill ____

Absorption area: square feet ____

lineal feet ____

MOUNDS:

Percent slope 5

Upslope sand width 12

Downslope sand width 20

Sideslope sand width 12 west 14' East

Drainfield rock below pipe 9"

Depth of sand below rock 18"

Perforation size & spacing 1/4 x 3

Pipe size & spacing 1 1/2 x 3

Dimensions of rock bed 18x35

Dimensions of sand base 42x51

Final cover 18" T 12" S

DRAWING OF SYSTEM: (include soils)

Inspector's Comments: ____

Inspector's Signature ____ **Installer's Signature** ____

Rev:1/13 White – County Yellow – Applicant Pink - Installer

Minnesota Department of Health
Well Management Section
P.O. Box 64975, St. Paul, Minnesota 55164-0975
651/201-4600 or 800/383-9808

Certification of Buried Sewer Construction and Testing

This form must be completed and submitted to the Minnesota Department of Health (MDH) for installation of a buried sewer located 20 to 50 feet from a water-supply well, or the installation of a water-supply well located 20 to 50 feet from a buried sewer. **NOTE:** A 50-foot minimum separation must be maintained between a water-supply well and a buried collector or municipal sewer, an unapproved sewer, or a buried sewer serving a facility handling infectious or pathological waste.

Owner of Property Where Sewer is Located (please print)
Joanne Gibbs

Street Address, City, ZIP for Property Where Sewer is Located
42450 310th Place Aitkin MN 56431

County Name	Township No.	Range No.	Section No.	Fraction
Aitkin	48	25	24	¼ ¼ ¼

Date of Testing (mm/dd/yyyy)	Person(s) Present to Witness Testing
07/06/2022	Travis Ruschmeier, Dominic Mindrum

Well Information

Provide Minnesota Well and Boring Number(s) _____ or, if unavailable, provide the following information for each well located within 50 feet of the buried sewer.

Well No./Description	Well Depth	Well Diameter	Year of Construction	Well Contractor Company Name	Well Address (if different from above)

Variance Information

Was a variance issued by the MDH for this sewer or well installation? ☐ Yes ☒ No
If yes, please provide the variance tracking number: TN _____.

Sewer Materials

☐ ABS (ASTM D2661)
☒ PVC (ASTM D2665)
☐ PVC (ASTM F891)
☐ ABS (ASTM D2751)
☐ PVC (ASTM D3034)
☐ Cast Iron _____
☐ ABS (ASTM F628)
☐ PVC (ASTM F789)

Test Methods (check one)

☒ Air Test (5 psi constant pressure for 15 minutes).
☐ Manometer Test (1-inch water column).
☐ Hydrostatic Test (for plastic pipe only).

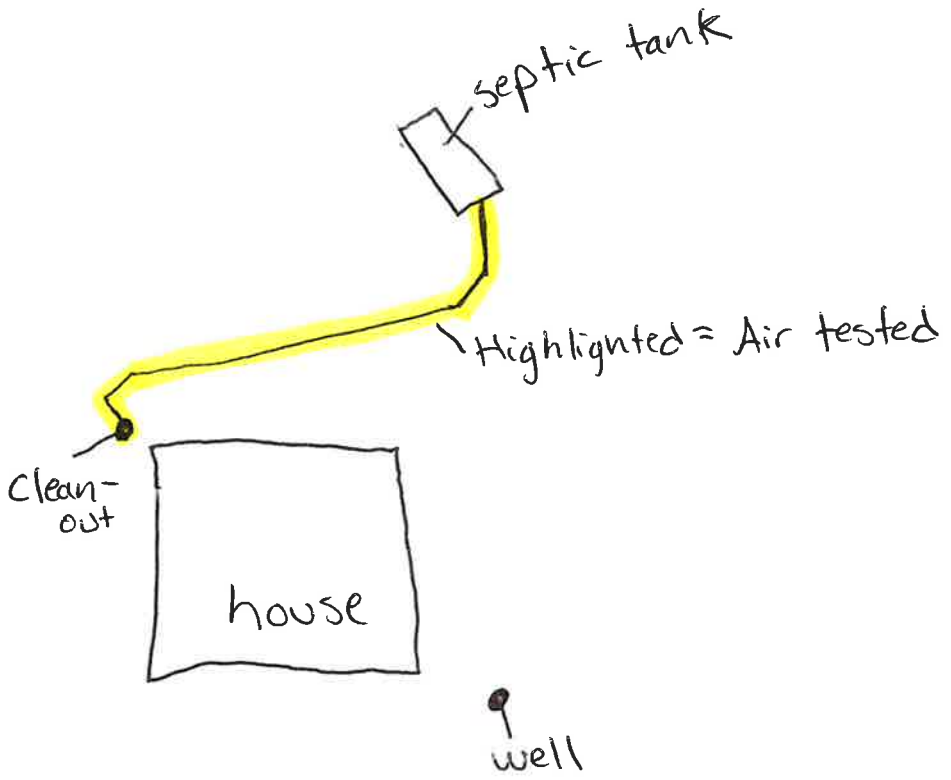
The portion of the buried sewer system tested is described as follows (please specify each segment of sewer pipe which was tested).

installed clean-out at point of hook-up to existing pipe with approximately 80' of new pipe to septic tank

Please draw a diagram of the sewer system on back and note the locations of any wells and the portions of the sewer system that were pressure tested.

Buried Sewer Testing Diagram

Please draw a site diagram of the sewer system and all buried sewer pipes, including those buried beneath buildings (serving floor drain[s], bathroom[s], laundry room, etc.). Please note the portions of the buried sewer pipes that were pressure tested, the location of the well(s), and major landmarks on the property.



I, (name) Travis Ruschmeier, certify that the buried sewer(s) described above is/are constructed of the indicated, approved sewer material meeting the requirements of the Minnesota Plumbing Code, Minnesota Rules, part 4715.0530, and has/have been successfully tested in accordance with Minnesota Rules, part 4715.2820, by the indicated method.

In accordance with Minnesota Statutes, section 144.992, persons submitting false information to the Minnesota Department of Health are subject to administrative penalties of up to $10,000.

Name	Title		
Travis Ruschmeier	Foreman		
Firm			
Ritter Sewer & Excavating Inc.			
Street Address			
34753 390th Place			
City		State	ZIP Code
Aitkin		MN	56431
License/Certification Number	Signature		Date
698			7/12/2022

Ritter Sewer
7-6-22

JACOBSON PRECAST CONCRETE, LLC

6:66

42450 3rd Place
Aitkin

TANK INSTALLATION INSTRUCTIONS

Model # 1650 #2 Date Built: 5-9-22 Gallons: 1250 Bury Depth 2'

Model #_____ Date Built:_____ Gallons: _____ Bury Depth_____

SITE CONDITION:

The site must be accessible to large, heavy trucks. Free of items like trees, stumps, overhead wires, etc. That could interfere with delivery or installation and allows trucks to within 3 to 5 ft of placement excavation.

EXCAVATION:

Excavation should be approximately 12" minimum larger than tank size to allow for adequate back fill. This may vary with soil conditions. Excavation shall have a level bottom so the weight bears on the outside walls of the tank.

BEDDING:

Each tank should be placed on about 6" of proper bedding material leveled, and should be compacted to minimum 95% compaction if tested, to ensure the life of the tank structure. Bedding must be capable of bearing the weight of the tank. Bedding material shall have the ability of 100% to pass through a ½" screen.

WATER TABLE:

When tanks are being placed where water levels can potentially be higher than the elevation of the tank cover, an alternate location should be considered. If water table is high installer must also consider the tank my float, if this is a possibility tank must be tied down before backfilling.

BACKFILL MATERIAL:

Sidewall of tanks require dry backfill materials that have the ability of 100% to be able to pass through a 2" screen and a minimum of 12" on all sides from the bottom to top of tank. Backfill material shall be placed to avoid impact loads on sidewall of the tank.

COVER MATERIAL:

Cover material shall be dry soil, material that has the ability of 100% to be able to pass through a 2' screen. Cover material shall be mounded over tank and around risers to direct run-off away from both.

INLET & OUTLET:

Pipe not to exceed 1" past the interior wall of tank where a baffle is used.

BURIAL DEPTH: Tanks to be installed according to model's maximum bury recommendations: